

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of configuring signaling locations within a heart for performing intrachamber resynchronization, comprising:

positioning all of a plurality of pacing ~~signaling~~ electrodes to deliver stimulation to only a left ventricle of the heart, the plurality of pacing ~~signaling~~ electrodes being positioned along a first and second axis interior to the heart, the second axis extending within the left ventricle to position at least one first ~~signaling~~ pacing electrode of the plurality of pacing ~~signaling~~ electrodes thereabout, the first axis extending into a right ventricular septum of the heart to position at least one second pacing ~~signaling~~ electrode of the plurality of pacing ~~signaling~~ electrodes at a position in the right ventricular septum to deliver stimulation to the left ventricle; and

delivering, to the left ventricle, stimulation via the plurality of pacing ~~at least one first and second signaling~~ electrodes to perform ~~for performing~~ the intrachamber resynchronization.

Claims 2-19 (Cancelled).

Claim 20 (Currently Amended): The method of claim 1, wherein the plurality of pacing ~~signaling~~ electrodes are positioned endocardially in the heart.

Claims 21-26 (Cancelled).

Claim 27 (Currently Amended): The method of claim 1, wherein the first and second ~~signaling~~ pacing electrodes are positioned to deliver stimulation to the left ventricle in at least

one of an interventricular septum, a coronary vein in the left ventricle, or an epicardial wall of the left ventricle.

Claim 28 (Currently Amended): The method of claim 27, wherein the delivering includes providing electrical signals to the plurality of pacing ~~signaling~~ electrodes connected to a lead passing through the superior vena cava, the right atrium, the ostium of the coronary sinus, and a coronary vein of the left ventricle.

Claims 29-33 (Cancelled).

Claim 34 (Currently Amended): The method of claim 1, wherein the delivering further comprises:

delivering stimulation to the at least one second pacing ~~signaling~~ electrode in an interventricular septum and the at least one first pacing ~~signaling~~ electrode in a coronary vein of the left ventricle.

Claims 35-66 (Cancelled).

Claim 67 (Currently Amended): A system for performing intrachamber resynchronization, comprising:

~~signaling~~ pacing electrodes all being configured to be positioned at a first and second axis interior to the heart, to deliver stimulation to only a left ventricle of the heart, the pacing ~~signaling~~ electrodes being positioned along the first and second axis, the second axis extending within the left ventricle to position at least one first pacing ~~signaling~~ electrode of the pacing ~~signaling~~ electrodes therein, the first axis extending into a right ventricular septum

of the heart to position at least one second pacing ~~signaling~~ electrode of the pacing ~~signaling~~ electrodes at a position in the right ventricular septum to deliver stimulation to the left ventricle; and

a processor, configured to deliver to the left ventricle, a stimulation signal via the at least one first and second pacing ~~signaling~~ electrodes to perform ~~for performing~~ the intrachamber resynchronization.

Claim 68 (Cancelled).

Claim 69 (Currently Amended): The system of claim 67, wherein depolarization signals are sensed by the pacing ~~signaling~~ electrodes from multiple locations within the left ventricle.

Claim 70 (Currently Amended): The system of claim 67, wherein the pacing ~~signaling~~ electrodes are configured to be positioned endocardially in the heart.

Claim 71 (Currently Amended): The system of claim 67, wherein the stimulation signal is delivered to the left ventricle by the at least one second pacing ~~signaling~~ electrode in an interventricular septum and the at least one first pacing electrode in a coronary vein of the left ventricle.

Claims 72-73 (Cancelled).